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OFFICIAL**FACSIMILE TRANSMISSION****CONFIDENTIAL****DATE:** November 20, 2003**CLIENT-MATTER No.:** 23546-07665**TO:**

NAME	FAX NO.	PHONE NO.
Sean McGarry U.S. Patent and Trademark Office Group Art 1635	703-872-9306	

FROM: Susan T. Hubl, Ph.D. **PHONE:** (415) 875-2316**SENT BY:** Cheryl Leger **PHONE:** (415) 875-2495**RE:** U.S. Patent Appl. No. 10/006,191

NUMBER OF PAGES WITH COVER PAGE: 4

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MESSAGE:

In Re: U.S. Patent Application No. 10/006,191

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23546/07665/SF/5110634.1

PTO/SB/21 (modified)
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

0001/PTO Rev. 10/95	U.S. Department of Commerce Patent and Trademark Office	Application Number	10/006,191
TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i>		Filing Date	December 10, 2001
		First Named Inventor	William Gaarde
		Group Art Unit Number	1635
		Examiner Name	Sean McGarry
Total Number of Pages in This Submission	34	Attorney Docket Number	23546-07665

ENCLOSURES (check all that apply)	
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REMARKS:	

SIGNATURE OF ATTORNEY OR AGENT			
Signature:	<i>Susan T. Hubl</i>		
Attorney/Reg. No.:	Susan T. Hubl, Reg. No. 47,668	Dated:	Nov. 20, 2003

CERTIFICATE OF FACSIMILE TRANSMISSION			
I hereby certify that this correspondence, including the enclosures identified above, is being transmitted on the date shown below via facsimile to: Commissioner for Patents at the facsimile number indicated below.			
Signature:	<i>Susan T. Hubl</i>		
Typed or Printed Name:	Susan T. Hubl, Patent Agent	Dated:	Nov. 20, 2003
Facsimile Number:	703-872-9306		

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Application Number	10/006,191
Filing Date	December 10, 2001
First Named Inventor	William Gaarde, et al.
Group Art Unit	1635
Examiner Name	Sean McGarry
Attorney Docket Number	23548-07665

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application, and I hereby appoint:

☒ Practitioner(s) named below:

Herb Boswell, Reg. No. 27,311; Laurel S. Bernstein, Reg. No. 37,280; Robert S. Andrews, Reg. No. 44,508; Neil Bartfeld Reg. No. 39,901; Matthew Grumbling, Reg. No. 44,427; Donna T. Ward, Reg. No. 48,271; Kenneth Tarbet, Reg. No. 43,181; Laura Handley, Reg. No. 39,704; Les Overman, Reg. No. 48,541; Michael J. Shuster, Reg. No. 41,310; Susan T. Hubl, Reg. No. 47,868; Narinder Bansit, Reg. No. 43,482; Robert R. Sachs, Reg. No. 42,120 and Daniel R. Brownstone, Reg. No. 46,581.

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name

B. Lynne Parshall

Title

Executive Vice President

Signature

Date

11/14/03

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 1 forms are submitted.

Atty. Dkt. No.: 23546-07665

Certificate Under 37 CFR § 3.73(b)

Applicants: William Gaarde, et al.
 Application No.: 10/006,191
 Filing Date: December 10, 2001
 Name of Assignee: Isis Pharmaceuticals, Inc.
 Type of Assignee (e.g. corporation, partnership,
 university, government agency, etc.): Corporation

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The above-mentioned Assignee certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. ☒ An assignment from the inventors of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 013694, Frame 0583, or for which a copy thereof is attached; OR

B. ☐ A chain of title from the inventors, of the patent application identified above, to the current assignee as shown below:

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☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

11/14/03
 Date

Signature

B. Lynn Parshall

Name

Executive Vice President and CFO

Title

23546/07665/SF/5108690.1

Atty. Dkt. No.: 23546-07702

Certificate Under 37 CFR § 3.73(b)

Applicant: C. Frank Bennett, et al.
 Application No.: 10/346,268
 Filing Date: January 15, 2003
 Name of Assignee: Isis Pharmaceuticals, Inc.
 Type of Assignee (e.g. corporation, partnership, university, government agency, etc.): Corporation

The above-mentioned Assignee certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

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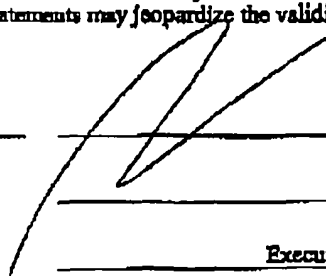
☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

11/14/03
 Date


 Signature
B. Lynne Parshall
 Name
Executive Vice President and CFO
 Title

2354607702/SF/5108612.1